

## GLOBALCONNECT<sup>SM</sup> MANAGED DIGITAL SERVICE

# AIRLINE OPERATIONS – SIMPLY CONNECTED

### Reducing complexity in your entire environment

Establishing and maintaining airline operational environments is growing increasingly complex; needing to both meet the needs of today and also the evolving future demands. Along with this growing complexity comes a sizable increase in the level of investment. More diverse communication pathways, with particular focus on IP technologies, are being established beyond the industry-recognized flight deck SATCOM, VHF and HF medias. These new and more complex communication pathways have major impact for systems in the air, air-to-ground communications and ground systems.

How do these changes affect today's operations, and help evolve airline operations in the future? As a solutions provider with core competencies across

air and ground communications, hardware and systems, Collins Aerospace is providing answers with the GlobalConnect<sup>SM</sup> managed digital service.

### COMMON OPERATIONAL PLATFORM FOR FLEET-WIDE USE

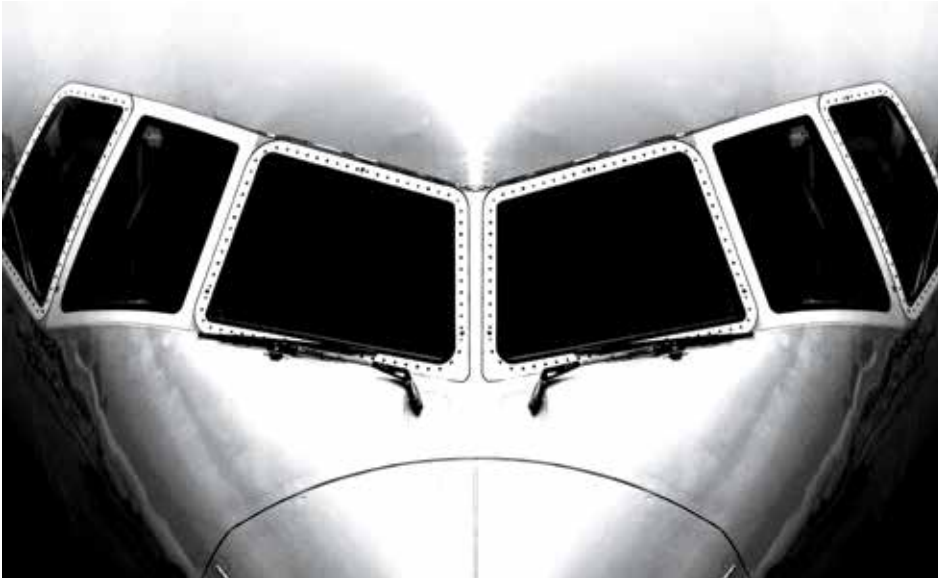
GlobalConnect enables a common operational environment across multiple fleet types. The platform integrates new IP links alongside traditional media to provide a comprehensive multimedia solution that integrates seamlessly with airlines' existing operations.

Our managed service reduces airline investment in IT infrastructure – servers, VPN-termination routers and firewalls – as well as the cost to install and configure these devices. Airlines also benefit from the ability to work with a trusted partner to manage the day-to-day operation, monitoring, security and maintenance of their ground IT systems.

### KEY BENEFITS

- Optimized air-to-ground communications
- Seamless transition and management of new IP data
- Helps reduce capital costs and operating costs
- Common operational platform for fleet-wide use
- Reliable, secure data management
- Security provision for new digital operations
- Complete end-to-end solution from a single, trusted source





### HOSTED GROUND SYSTEMS

The increasing capability and complexity of today's smart aircraft, both onboard and in ground IT environments, is challenging existing airline infrastructure and systems and introducing evolving operational procedures. Our GlobalConnect is highly scalable and customizable and provides centralized and managed ground systems within the same high reliability/availability network infrastructure that manages protocol and message translations, security and data distribution.

This solution offers a monitored and managed environment for hosting airlines' selected ground systems, including the Airbus A320, A330 and A350 ground systems and the Boeing E-Plane Ground Support System (BEGSS). GlobalConnect can also host airline selected third-party applications that may benefit from being integrated into a single hosted platform.

Specifications subject to change without notice.

### INTELLIGENT ROUTING AND CONNECTIVITY CHANNEL MANAGEMENT

Determining if data is needed in 'real time' or can be stored and forwarded is important for managing communication costs and operational effectiveness. While many airlines using ACARS are investigating SATCOM, gatelink and other communication options, few are addressing the ability to manage their communications between the various media.

Our data channel management capability enables applications to communicate seamlessly across all available media including IP links, yielding a cohesive and seamless multimedia solution. Routing is configurable based on a user-definable policy to prioritize air-to-ground data movements through a common Collins Aerospace interface. Establishing connectivity through GlobalConnect provides secure access between EFB applications in the flight deck and aircraft data in the avionics bay, and to all available air-to-ground media.

### RELIABLE, SECURE DATA MANAGEMENT FOR CONNECTED OPERATIONS

How can you ensure the security of your aviation data? GlobalConnect manages creation, formatting, protocol conversion and delivery of messages to an airline and its partners via the ARINC Global Network (AGN), the world's largest private aviation network. The AGN provides real-time intrusion detection, sophisticated user access controls, and is supported by a 24/7 security operations center.

### AIRBORNE SYSTEMS

The Collins Aerospace SSR-7000 secure server router is an integral component of the aircraft security infrastructure and features embedded security functions including platform segregation, firewall, wireless authentication and a security logging function.



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